

2008 Panel Builders Pressure Gauge

FEATURES

- 3-hole front flange welded case
- PowerFlex™ movement provides superior resistance to shock, vibration and pulsation
- TrueZero™ reduces reading errors by using a “zero box” instead of conventional dial pins ensuring product safety, integrity and system control
- MSL helium leak tested to 1×10^{-6} scc/s
- Corrosion resistant stainless steel case

TYPICAL USES

- Oil and gas control panels
- Deionized water
- Hydraulics and pneumatics
- Specialized OEM equipment
- Food and beverage
- Pharmaceutical



2008S
63mm (2½") dial size

SPECIFICATIONS

Accuracy:	±1.6% of span (dry) ±2% of span (liquid filled)
Sizes:	63mm (2½")
Ranges:	0-15 psi, 0-15,000 psi, vacuum and compound
Process Connection Location:	Lower back
Process Connection Size:	⅛ and ¼ NPT (see ordering code for more options)
Dial:	Black figures on white background, aluminum
Pointer:	Black aluminum
Movement:	304 SS with glassed filled polyester segment
Weather Protection:	IP65 (Plug closed), IP54 (Plug vented), NEMA 4X (Plug closed)
Dampening Options:	PLUS! ™ Performance, Glycerin case fill, silicone case fill, Halocarbon® case fill
Approvals:	CRN, RoHS, PED

WETTED COMPONENTS

Bourdon Tube	Process Connection
316L SS	316 SS

NON-WETTED COMPONENTS

Case	Window	Ring
304 SS/316L SS	Polycarbonate	304 SS/316L SS

KEY BENEFITS

- **PLUS!**™ Performance dampens vibration, shock and pulsation effects
- Easy installations

MIN/MAX TEMPERATURE LIMITS

Version	Ambient	Process	Storage
Dry	-40°F to 200°F (-40°C to 93°C)	-40°F to 250°F (-40°C to 121°C)	-40°F to 250°F (-40°C to 121°C)
PLUS! ™	-40°F to 150°F (-40°C to 66°C)	-40°F to 200°F (-40°C to 93°C)	-40°F to 150°F (-40°C to 66°C)
Glycerin Fill	20°F to 150°F (-7°C to 66°C)	20°F to 200°F (-7°C to 66°C)	0°F to 150°F (-18°C to 66°C)
Silicone Fill	-40°F to 150°F (-40°C to 66°C)	-40°F to 200°F (-40°C to 93°C)	-40°F to 150°F (-40°C to 66°C)

Data Sheet

2008 Panel Builders Pressure Gauge

ORDERING CODE	Example:	632008	S	L	02	B	XC4	100
Dial Size/Series Code								
632008 - 63mm (2½")		632008						
System								
S - 316L SS tube, 316 SS process connection			S					
Case Fill								
Leave blank - Dry liquid fillable case								
L - Liquid filled case (Glycerin standard)				L				
Process Connection Size								
01 - ½ NPT Male								
02 - ¼ NPT Male								
RW - SAE 4 7/16" -20 straight thread								
KJ - ¼" Straight JIS, BSP								
KA - ¼" Tapered JIS, BSP								
13 - G ¼" DIN								
07 - ½" BSPT tapered thread								
JP - ¼" Tubing (N/A with throttle plug)								
JQ - 6mm Tubing (N/A with throttle plug, N/A ranges above 6,000 psi)								
Process Connection Location								
B - Lower back mount connection								
Options (if choosing an option(s) must include an "X")								
AN - 1% Accuracy								
C4 - Individual calibration chart (in accordance with ASME B40.100 Accuracy traceable to NIST)								
LL - PLUS! Performance								
GV - Silicone case fill								
GX - Halocarbon® case fill								
YW - 316L SS case and ring								
TU - Throttle plug (1,000 psi max.)								
TS - Throttle screw (15,000 psi max.)								
6B - Cleaned for oxygen service								
SH - Red set hand, stationary								
NH - SS tag wired to case								
NN - Paper tag								
NZ - Silicone free dampening								
SM - All SS movement								
Ranges (See range table or all standard ranges)								
Single Scale								
100# - 100 psi								

Data Sheet

2008 Panel Builders Pressure Gauge

Standard Ranges					
	psi	bar	kPa	MPa	kg/cm ²
Vacuum	30IMV	N1BR	N100KP	N0.1MP	N1KG
	-	N1/0.6BR	N100/60KP	N0.1/0.06MP	N1/0.6KG
	30IMV&15#	-	-	-	-
Compound	-	N1/1.5BR	N100/150KP	N0.1/0.15MP	N1/1.5KG
	30IMV&30#	-	-	-	-
	-	N1/3BR	N100/300KP	N0.1/0.3MP	N1/3KG
	30IMV&60#	-	-	-	-
	-	N1/5BR	N100/500KP	N0.1/0.5MP	N1/5KG
	-	-	-	-	-
	30IMV&100#	-	-	-	-
	-	N1/9BR	N100/900KP	N0.1/0.9MP	N1/9KG
	15#	1BR	100KP	0.1MP	1KG
	-	1.6BR	160KP	0.16MP	1.6KG
Positive Pressure	30#	-	-	-	-
	-	2.5BR	250KP	0.25MP	2.5KG
	60#	4BR	400KP	0.4MP	4KG
	-	6BR	600KP	0.6MP	6KG
	100#	-	-	-	-
	-	10BR	1000KP	1MP	10KG
	160#	-	-	-	-
	200#	-	-	-	-
	-	16BR	1600KP	1.6MP	16KG
	300#	-	-	-	-
	-	25BR	2500KP	2.5MP	25KG
	400#	-	-	-	-
	600#	40BR	4000KP	4MP	40KG
	800#	-	-	-	-
	-	60BR	6000KP	6MP	60KG
	1000#	-	-	-	-
	1500#	100BR	10000KP	10MP	100KG
	2000#	-	-	-	-
	-	160BR	16000KP	16MP	160KG
	3000#	-	-	-	-
-	250BR	25000KP	25MP	250KG	
4000#	-	-	-	-	
5000#	-	-	-	-	
6000#	400BR	40000KP	40MP	400KG	
-	600BR	60000KP	60MP	600KG	
8000#	-	-	-	-	
10000#	-	-	-	-	
15000#	1000BR	100000KP	100MP	1,000KG	

2008 Panel Builders Pressure Gauge

DIMENSIONS in [] are millimeters

For reference only, consult Ashcroft for specific dimensional drawings

